

Latest News of Transverse Spin Physics from RHIC

Ming X. Liu
Los Alamos National Lab

There has been tremendous experimental and theoretical progress in recent years toward understanding the physics involved with transversely polarized beams (or targets) in high-energy collisions. The Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory delivers the world's highest energy polarized proton-proton collisions with the center of mass energy up to 500 GeV and provides a unique opportunity to study the spin structure and QCD dynamics in transversely polarized proton-proton collisions at high energy.

During the 2006 and 2008 RHIC runs, the RHIC experiments, BRAHMS, PHENIX and STAR, took a significant amount of transversely polarized p+p collision data at the center of mass energies of 62 and 200 GeV, with beam polarization of 45%(run8) and 57%(run6). In this talk, I will highlight the latest results from the RHIC experiments, followed by a brief discussion of the future prospects with the upgrade detectors at RHIC.